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Supplemental Amendment for application 10/037, 718 Applicants MCGINNIS ET AL.
August 2, 2006 submitted by fax to 571-273-8300

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Total of 23 pages

Supplemental Amendment

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ralph Evan McGinnis and Robert Owen McGinnis
Application No.: 10/037,718
Filed: 01/04/2002

Title of the Invention: TWO-DIMENSIONAL LINKAGE STUDY METHODS AND RELATED
INVENTIONS

Art Unit 1637

Examiner: Horlick, K.

Honorable Commissioner for Patents
Submitted by fax to 571-273-8300

SUPPLEMENTAL AMENDMENT

Sir:

This Supplemental Amendment follows an Amendment/Response filed on Tuesday, 5/30/2006. The Amendment/Response of 5/30/2006 included claim amendments and responded to each point of rejection in the previous Office Action of 12/29/05. This Supplemental Amendment also follows a Supplemental Amendment of the Specification (filed on July 15, 2006). The present Supplemental Amendment also requests an amendment of the Specification.

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In this Supplemental Amendment the applicants have also made minor amendments to previously pending dependent claims 17-34. (These amendments have been made after more consideration of an issue raised by the Examiner in the previous Office Action of 12/29/05 that dealt with PCR primers.) In addition, 24 new claims (including two new independent claims) have been added and one dependent claim has been cancelled. An appropriate fee for 23 extra claims including 2 independent claims has been submitted. **Applicants respectfully submit that the new independent claims are closely related to previously allowed claims and do not require a new search for patentability.**

Amendments to the Specification begin on page 3 of this paper.

Amendments to the claims begins on page 4

Remarks begin on page 16 of this paper.

Conclusion begins on page 23 of this paper.